Nat'l Phase App of PCT/JP05/00704 Inventor: Tatsuya OKUI et al. Filed: 07/19/2006 Title: Pipe or Reducing Mill and Roll for Reducing Mill (as amended) SHEET 1 of 9

FIG. 1

PRIOR ART

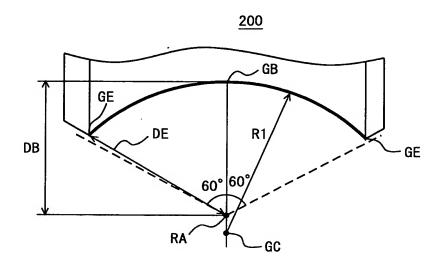
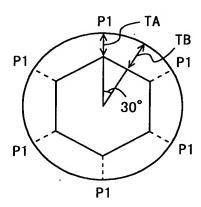


FIG. 2

PRIOR ART



Nat'l Phase App of PCT/JP05/00704 Inventor: Tatsuya OKUI et al. Filed: 07/19/2006 Title: Pipe or Reducing Mill and Roll for Reducing Mill (as amended) SHEET 2 of 9

FIG. 3

PRIOR ART

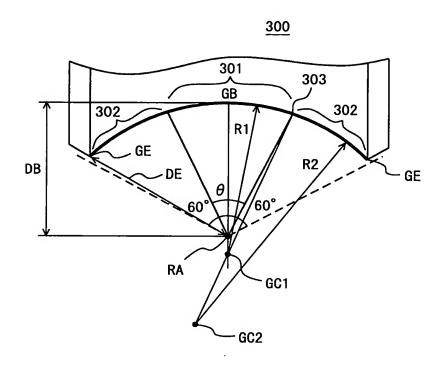
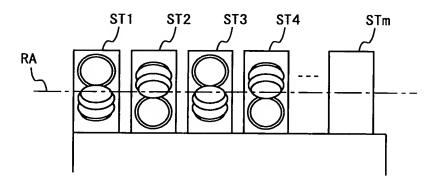


FIG. 4



Nat'l Phase App of PCT/JP05/00704 Inventor: Tatsuya OKUI et al. Filed: 07/19/2006 Title: Pipe or Reducing Mill and Roll for Reducing Mill (as amended) SHEET 3 of 9

FIG. 5

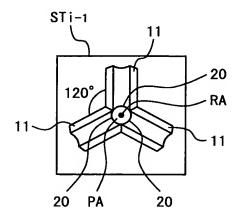
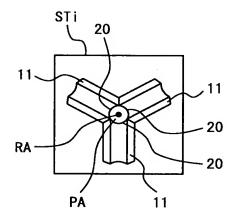
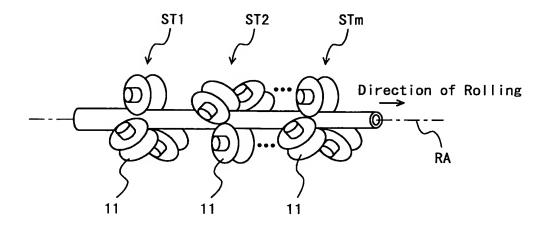


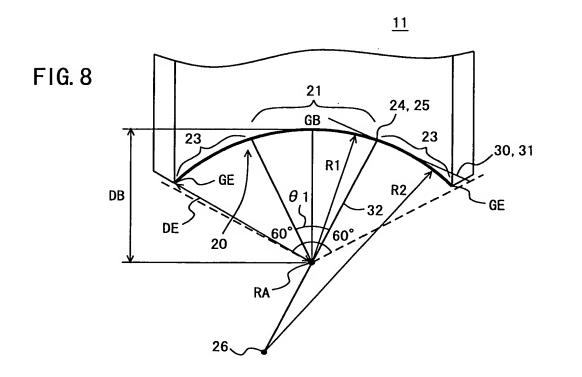
FIG. 6



Nat'l Phase App of PCT/JP05/00704 Inventor: Tatsuya OKUI et al. Filed: 07/19/2006 Title: Pipe or Reducing Mill and Roll for Reducing Mill (as amended) SHEET 4 of 9

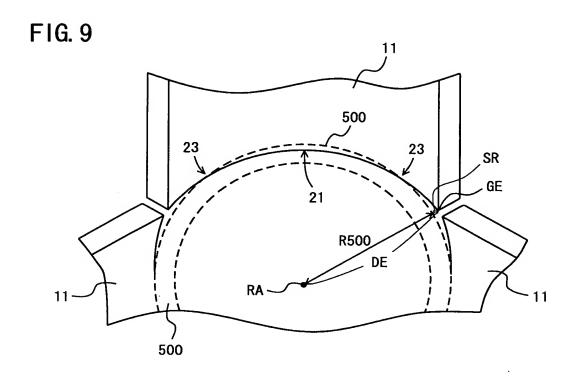
FIG. 7

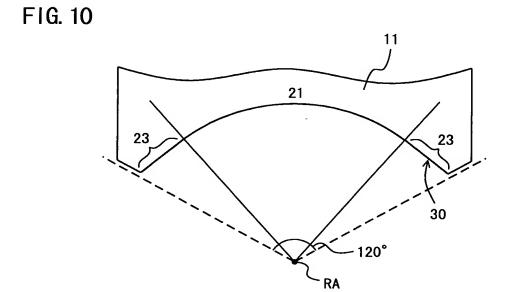




Nat'l Phase App of PCT/JP05/00704 Inventor: Tatsuya OKUI et al. Filed: 07/19/2006 Title: Pipe or Reducing Mill and Roll for Reducing Mill (as amended) SHEET 5 of 9

SHEET 5 of 9





Nat'l Phase App of PCT/JP05/00704 Inventor: Tatsuya OKUI et al. Filed: 07/19/2006 Title: Pipe or Reducing Mill and Roll for Reducing Mill (as amended) SHEET 6 of 9

FIG. 11

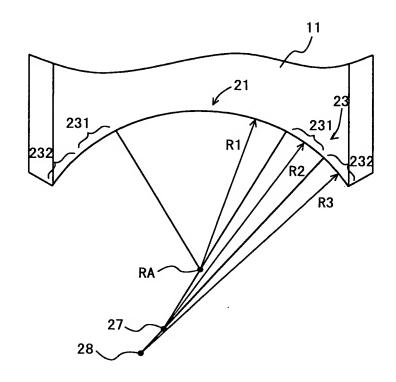
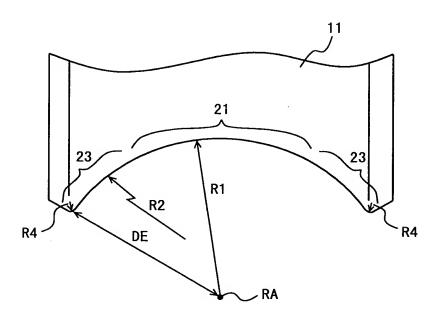


FIG. 12



Nat'l Phase App of PCT/JP05/00704 Inventor: Tatsuya OKUI et al. Filed: 07/19/2006 Title: Pipe or Reducing Mill and Roll for Reducing Mill (as amended) SHEET 7 of 9

FIG. 13

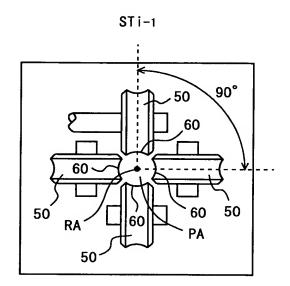
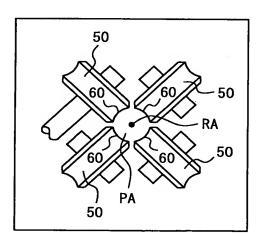


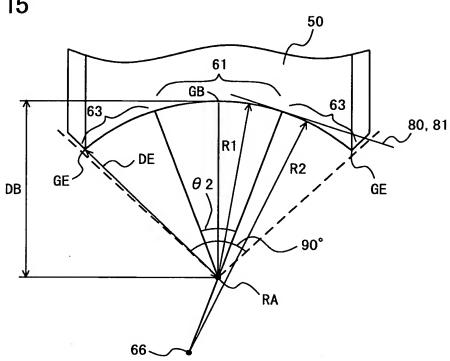
FIG. 14





Nat'l Phase App of PCT/JP05/00704 Inventor: Tatsuya OKUI et al. Filed: 07/19/2006 Title: Pipe or Reducing Mill and Roll for Reducing Mill (as amended) SHEET 8 of 9

FIG. 15



DB DE GB R2 R2 R2 R2 RA

Nat'l Phase App of PCT/JP05/00704 Inventor: Tatsuya OKUI et al. Filed: 07/19/2006 Title: Pipe or Reducing Mill and Roll for Reducing Mill (as amended) SHEET 9 of 9

FIG. 17

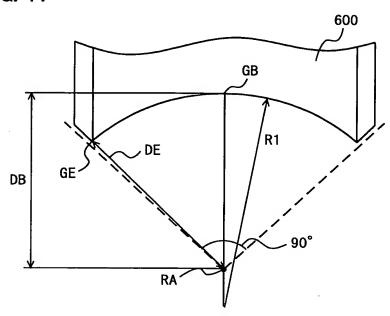


FIG. 18

